

News in the Synthesis of Organo-Elementary
High Molecular Compounds, by V. V. Korzhak,
24 pp.

RUSSIAN, per, Zhur Vses Khim Obshch, Vol VII,
No 2, 1962, pp 122-131. 9668627

FTD-TT-63-121

Sci-Chem
May 63

230,853

Synthesis of Polymers From Aliphatic Nitriles, by
S. L. Sosin and V. V. Korshak. 3 6 pp.

RUSSIAN, per, Iz Ak Nauk USSR, Otdel Khim Nauk,
No 9, 1962, pp 1644 - 1649

CB

Sol

Jul 63

342,315

Preparation of a Polymer From Benzylidiphenylphosphine
Oxide by the Polyrecombination Reaction by V. V.
Korshak and E. S. Krongauz, p 5

RUSSIAN, per, Iz Ak Nauk USSR, Otdel Khim Nauk, No 9,
1962, pp 1638 - 1643

CB

340,318

Sci

Jul 63

Heterochain Polyamides. Communication 33. Formation
of Mixed Polyamides from Mixtures of Acid Chlorides
at a Phase Interface, by V. V. Korshak, T. M. Frunze,
8 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 12,
1962, pp 2226-2235.

62

243, 159

Encl. "
Nov 63

Significance of the Hydrolysis of Some Aliphatic
and Aromatic Dicarboxylic Acid Chlorides in
Interphase Polycondensation

By V. V. Korshak, T. M. Frunze (p. 6)

RUSSIAN, per Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 10, 1962, pp. 1807-1812

CB

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Aug 63

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Levoglucoosan Polyethers. I. Polymerization of Levoglucoosan
and its Ethers, by V. V. Korshak.
RUSSIAN, per, Vysokomolekulyarnye Soedineniya, Vol 3, No 3
1961, pp 177-185.
*NTIS TT 71-51003

V. V. KORSHAK

July 71

Korshak, V. V. and Smirnov, R. N.
CHANGE IN THE AGGREGATE STATE OF POLYMERS
ON MERCURATION. [1962] 5p.
Order from ATS \$8.25

ATS-40P64R

Trans. of Vysokomolekul[yarnye] Soedin[eniya] (USSR)
1962, v. 4, no. 6, p. 889-893.

DESCRIPTORS: *Polymers, Physical properties,
*Mercury.

ATS-RS-3585

(Chemistry-Physical, TT, v. 9, no. 2)

63-12031

I. Korshak, V. V.
II. Smirnov, R. N.
III. ATS-40P64R
IV. Associated Technical
Services, Inc., East
Orange, N. J.

63-12031

Office of Technical Services

Studies of Films of Polyethylene Terephthalene
(Larvan) With Grafted Polystyrene, by V. V. Korshak.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXLVI, No 6,
1962, pp 1347-1349.

NIA Ref: 5828.4 1963 (10103)
(Loan)

Sci -
Jul 63

234,379

Preparation of Polyarylates from Phenolphthalein by
Interphase Polycondensation

By V. V. Korshak, S. V. Vinogradova, 6 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk,
No 8, 1962, pp. 1416-1423.

CB

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A New Method of Synthesizing FI Polymers, by
V. V. Korshak, S. L. Sosin, 4 pp.

RUSSIAN, per, ~~EFIM~~ Priroda, No 4, 1962, pp 42-47.

JPRS 15269

Sci - Chem

Oct 62

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Synthetic Hetero-Chain Polyamides, by V. V. Korshak
and T. M. Prusse, 570 p.
RUSSIAN, mono, Sinteticheskie Otsortovannye Poliamidy
1962.
IPM-2075

V. V. Korshak

Sci-MEM
Jan 66

304,141

Korshak, V. V., Vinogradova, S. V., and
Valetskii, P. M.
MIXED POLYARYLATES FROM TEREPHTHALIC
ACID, DIHYDROXYDIPHENYL PROPANE, AND ALI-
PHATIC POLYHYDRIC ALCOHOLS. Pt. 37 of Hetero-
chain Polyesters. [1963] 8p.
Order from ATS \$10.50

ATS-50Q67R

Trans. of Vysokomolekul[yarnye] Soedin[eniya] (USSR)
1962, v. 4, no. 7, p. 987-994.

DESCRIPTORS: *Esters, *Polymers, Synthesis,
Terephthalic acid, Hydroxides, Phenols, Phenyl
radicals, Propanes, Alcohols.

(Chemistry--Organic, TT, v. 9, no. 9)

63-12822

1. Title: Heterochain
polymers
2. Title: Polyarylates
- I. Korshak, V. V.
- II. Vinogradova, S. V.
- III. Valetskii, P. M.
- IV. ATS-50Q67R
- V. Title: Heterochain...
- VI. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Heterochain Polyamides. Communication 32. Formation
from Mixtures of Diamines at a Phase Interface.

By V. V. Korshak, T. M. Franze pp. 7

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 11,
1962, pp. 2062-2069

CB

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Sci

Sep 63

Co-ordination Polymers. IX. Metal-Containing
Polymers Based on Aliphatic Dicarboxylic
 α, α' -dihydroxydicarboxylic and α, α' -dialkoxycarboxylic
Acids, by V. V. Korshak.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol IV, No 1, 1962, pp 20-24.

MLL Ref: 5828.4 1963 (10 107)
(Loan)

Sci - M/M

343406

STUDY
ON THE POLYMERIZATION OF CYANO-CONTAINING
ORGANOSILICON COMPOUNDS, BY A. M. POLYANOVA,
V. V. KORENIAK, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXL I,
NO 3, 1961, PP 641-644.

CB

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AJ 62

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Polyarylates, by V. V. Korshak, S. V. Vinogradova,
20 pp.

RUSSIAN, per, Uspekhi Khim, Vol XXX, No 4, 1961,
pp 421-462.

Cleaver-Hume Press

Sci
Jun 62

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Studies in the Field of Co-ordination Polymers.
VIII. Polymers Based on Aromatic O,O' -dicarboxyl
Acids and Divalent Metals, by V. V. Korshak.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya,
Vol III, No 12, 1961, pp 1808-1815.

MLL M 10007

Sci - Super Chem
May 69

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(DC-6327)

On the Synthesis and Properties of Polyacetylene,
by V. V. Korschak, V. I. Kasatoshkin, A. M.
Sladkov, et al, 10 pp:

RUSSIAN, per, ~~XXXXXXXX~~ Dok Ak Nauk SSSR,
Vol CXXXVI, No 6, 21 Feb 1961, pp 1342-1344.

JPRS 10868

Sci - Chem
Nov 61

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Nov 61

The
Effect of Certain Variables on the ~~Pt~~ Polycoordination
Reaction, by V. V. Korshak, S. V. Vinogradova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXXVIII, No 6,
1961, pp 1353-1356.

CB

Sci

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Preparation of Linear Polyurethanes
Without Solvents, by V. V. Korshak, et al.
RUSSIAN, per, Plasticheskiye Massy,
1961, No VI, pp 10-11.
NLL 5828.4 1964 (10,551) (On Loan)

V. V. Korshak

Aug 65

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The Copolymerization of bis-(Alkylamino)
Alkyl- or Arylboron With Organic Diisocyanates,
by V. V. Korahak, N. I. Bekasova, 8 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyedineniya,
Vol. III, No 4, 1961, pp 521-524. 9676329

FTD-1T-62-25

Sci - Chem

194, 120

4 May 62

Studies in the Field of Co-ordination Chain
Polymers. V. Synthesis of Metal-Containing
Bis-(β -Ketones), by V. V. Korshak.

RUSSIAN, per, Vysokomolekulyarnyye
Soyedineniya, Vol III, No 8, 1961, pp 1203-1209.

MLL Ref: 5828.4 1962 (10092)
(Loan)

Bai -
Jul 63

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The Copolymerization of B-Substituted
Borazoles With Hexamethylene Diisocyanate,
by V. V. Kozhukh, V. A. Zamyatina, 7 pp.

RUSSIAN, per, Vysokomolekulyarnyye
Soyedineniya, Vol III, No 4, 1961,
pp 525-529. 9676329

FTD-TT-62-25

Sci - Chem

4 May 62

194, 131

Korshak, V. V., Frunze, T. M. and others.
HETEROCHAIN POLYAMIDES. XXVIII. THE SIGNIFI-
CANCE OF HYDROCHLORIC ACID ACCEPTORS IN
THE PREPARATION OF POLYAMIDES BY INTER-
FACIAL POLYCONDENSATION. [1961] 4p.
Order from ATS \$6.25 ATS-44N53R

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1961, v. 3, no. 2, p. 205-207.

DESCRIPTORS: *Amides, Synthesis, Hydrochloric
acid, Condensation reactions, Polymerization,
Polymers.

(Chemistry--Organic, TT, v. 6, no. 8)

61-25347

- I. Korshak, V. V.
- II. Frunze, T. M.
- III. Title: Significance...
- IV. ATS-44N53R
- V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Polydispersity and the Structure of
the Polydiphenylmethane Chain, by
V. V. Korshak, S. A. Pavlova, S. I. Sosin
D. G. Volkovskii.

RUSSIAN, per, Vysokomolekulyarnye Soed-
ineniya, Vol 6, 1964, pp 1848-52.

SLA 866-14624

V. V. Korshak

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Sci - Chem
Jul 67

TT-65-63844

Field 7C, 7D

Korshak, V. V.; Moxgova, K. K.; Babchinster, T. M.
METHOD OF MODIFYING THE SURFACES OF FILMS
OF POLYTETRAFLUOROETHYLENE AND POLYTRI-
FLUOROCHLOROETHYLENE. 25 Aug 65, 6p.
FTD-TT-65-496; AD-620 792.

Order from CPSTI, SLA, or ETC: HC\$1.00, MF\$0.50
as AD-620 792

Unedited rough draft trans. of Patent (USSR)
158 063.

Patent appl. no. 776293/23-4, 27 Apr 62.

I. Foreign Technology Div.,
Wright-Patterson AFB,
Ohio

Korshak, V. V., Gribova, I. A. and others.
SYNTHESIS AND POLYMERIZATION OF ARYL
PHOSPHONITRILES AND ALKYL PHOSPHONITRILES.
[1961] 9p. 7 refs.

Order from OTS or SLA \$1.10

61-19740

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 3, p. 377-385.
Abstract trans. available from LC or SLA as 60-23844.
AID-60-16, 19 July 60, 1p.

DESCRIPTORS: *Phosphonitriles, Synthesis, Polymeri-
zation, *Polymers, Phosphorus compounds, Phenyl
radicals, Alkyl radicals.

For abstract see Technical Translations 4: 657, 1960.

(Chemistry - Organic, TT, v. 6, no. 1)

61-19740

I. Korshak, V. V.
II. Gribova, I. A.
III. Translations, New York

Office of Technical Services

TT-65-63844

Field 7C, 7D

Korshak, V. V.; Mozgova, K. K.; Babchinster, T. M.
METHOD OF MODIFYING THE SURFACES OF FILMS
OF POLYTETRAFLUOROETHYLENE AND POLYTRI-
FLUOROCHLOROETHYLENE. 25 Aug 65, 6p.
FTD-TT-65-496; AD-620 792.
Order from CFSTI, SLA, or ETC: HC\$1.00, MF\$0.50
as AD-620 792

Unedited rough draft trans. of Patent (USSR)
158 063.

Patent appl. no. 776293/23-4, 27 Apr 62.

I. Foreign Technology Div.,
Wright-Patterson AFB,
Ohio

Korshak, V. V., Vinogradova, S. V., and Lebedeva, A. S.
 HETEROCHAIN POLYESTERS. XXVI. SOME LAWS GOVERNING POLYESTERIFICATION AT THE INTERFACE BOUNDARY. 27 Apr 60 [11]p. 13 refs.
 Order from LC or SLA ml\$2.40, ph\$3.30 60-18472

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR) 1960, v. 2 [no. 1] p. 61-66.

Some laws were investigated governing the polyesterification at the interface boundary. The yield of polyester and its reduced viscosity increase with an increase of the intensity of stirring of the reaction mixture. The highest molecular weight of polyester was obtained on adding a solution of isophthaloyl chloride in p-xylene to an aqueous-alkaline solution of diene (0.1M concentration) during 11 minutes at about 20°C, when working with solutions of the starting substances with the same concentration. (See also 60-12618)

(Chemistry--Organic, TT, v. 5, no. 3)

60-18472

1. Carboxylic acids--
Condensation
2. Phenols--Condensation
3. Esters--Polymerization
4. Title: Hetero-chain polymers
5. Title: Esterification
1. Korshak, V. V.
- II. Vinogradova, S. V.
- III. Lebedeva, A. S.
- IV. Title: Some...

Office of Technical Services

12 518

US-14

KORSHAK V. V., et al.

Copolymerization of boron-substituted borazoles with hexa-methylene diisocyanate

Vysokomol. Soed., 2, No. 8, p. 1287 (1960)

RJ-2653. \$ 1.50 - English

ATS-RJ-2653
Euratom

A Study of Some Relationships in Interrelated
Polyesterification, by V. V. Korshak, S. V.
Vinogradova, A. S. Lebedeva, 7 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soedineniya,
Vol. II, No 7, 1960, pp 977-983.

ATS-05W45B

203, 216

Sci

Jun 62

Korshak, V. V. and others.

NEW TYPES OF LINEAR POLYMERS OBTAINED BY THE POLYRECOMBINATION REACTION. [1960] 8p.

14 refs. M2268

Order from LC or : LA m\$1.80, ph\$1.80 61-13/50

Trans. of Symposium on Macromolecular Chemistry, Moscow, June 60, Section I, p. 141-149.

Earlier work (Doklady Akad. Nauk SSSR 121: 299-302, 1958, available in translation from LC or : LA as 59-20522; and Vysokomolekulyarnyye Soyedineniya 1: 937-945, 1945, available in translation from ATF as ATF-12M40R) on the polyrecombination reaction is continued and it is shown for the first time that linear polymers can be obtained substantially free from three-dimensional structures. Particularly suitable starting compounds are those containing a methylene group in the α position to the benzene ring or carbalkoxy or carboxyphenoxy groups. Composition and structure are confirmed by analytical and IR-spectrographic data.
(Author)

61-13.50

1. Polymers--Synthesis
2. Title: Polyrecombination reaction

I. Korshak, V. V.
II. DMR LLU No. 2268

Office of Technical Services
(Chemistry--Organic,
TT, v. 5, no. 7)

Korshak, V. V., Vinogradov, S. V. and others.
HETEROCHAIN POLYESTERS. [XXXI]. A STUDY OF
THE CHEMICAL PROPERTIES OF POLYARLATES.
[1961] 9p.

Order from ATS \$14.00 ATS-43N53R

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1961, v. 3, no. 1, p. 79-80.

DESCRIPTORS: *Esters, *Polymers, Chemical
properties.

(Chemistry--Organic, TT, v. 6, no. 7)

61-25177

1. Title: Heterochain
polymers
2. Title: Polyarlates
- I. Korshak, V. V.
- II. Vinogradov, S. V.
- III. Title: Study ...
- IV. ATS-43N53R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

61-25178

Korshak, V. V., Fruze, T. M. and others.
HETEROCHAIN POLYAMIDES. [XXIX]. THE IMPORTANCE OF THE HYDROLYSIS OF DICARBOXYLIC ACID CHLORIDES IN INTERFACIAL POLYCONDENSATION. [1961] 5p.
Order from ATS \$8.00

ATS-45N53R

Trans. of Vysokomolekulyarnye Soedineniya, 1961, v. 3, no. 3, p. 371-375.

DESCRIPTORS: *Amides, *Polymers, Condensation reactions, *Carboxylic acids, *Chlorides, Hydrolysis.

- I. Title: Heterochain polymers
- I. Korshak, V. V.
- II. Fruze, T. M.
- III. Title: Importance ...
- IV. ATS-45N53R
- V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

(Chemistry--Organic. TT, v. 6, no. 7)

Korshak, V. V., Vinogradova, S. V. and others.
A STUDY OF SOME RELATIONSHIPS GOVERNING
POLYCONDENSATION OF DICARBOXYLIC ACID
CHLORIDES WITH DIHYDRIC PHENOLS IN HIGH-
BOILING SOLVENTS. Pt. 30 of Hetero-Chain
Polyesters. [1961] 6p.
Order from ATS \$12.00 ATS-42N53R

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1961, v. 3, no. 1, p. 66-71.

DESCRIPTORS: *Carboxylic acids, *Chlorides,
*Phenols, Condensation reactions, Organic solvents,
*Esters, Polymerization.

(Chemistry--Organic, TT, v. 6, no. 6)

61-25041

I. Korshak, V. V.
II. Vinogradova, S. V.
III. Title: Hetero-Chain...
IV. ATS-42N53R
V. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Synthesis of Graft Copolymers, 10, The Grafting
of Styrene onto Polyethyleneterephthalate (Larvan)
11, The Grafting of Vinyl Monomers onto Silk and
Wool, by V. Korshak.

RUSSIAN, per, Vysokomolekulyarnya Soedineniya, Vol
4, No 11, 1962, pp 38-1625
CSIRO/No 6907

V. KORSHAK.

Sci -
Aug 67

335,160

Heterochain Polyamides. XXIV. Preparation of
Mixed Polyamides at the Phase Interface, by V. V.
Korshak, et al.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya,
Vol II, 1960, pp 673-678.

ATE 87043R

Sci - Chem

Feb 61

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Feb 61

Korshak, V. V., Vinogradova, S. V., and
Lebedeva, A. S.

HETERO-CHAIN POLYESTERS. PT. 28. A STUDY
OF SOME RELATIONSHIPS GOVERNING INTER-
FACIAL POLYESTERIFICATION. [1960] 5p.

Order from ATS \$7.75

ATS-86M45R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 8, p. 1162-1166.

61-12091

1. Esters--Polymerization
2. Title: Polyesterification

I. Korshak, V. V.

II. Vinogradova, S. V.

III. Lebedeva, A. S.

IV. Title: Study...

V. ATS-86M45R

VI. Associated Technical
Services, Inc.,
East Orange, N. J.

141, 160

Office of Technical Services

(Chemistry--Organic, TT, v. 5, no. 2)

Korshak, V. V., Zamyatina, V. A. and others.
COPOLYMERIZATION OF BORON-SUBSTITUTED
BORAZOLES WITH HEXAMETHYLENE DIISO-
CYANATE. [1960] 1p.
Order from ATS \$1.50

ATS-49M46R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 8, p. 1287.

(Chemistry--Organic, TT, v. 5, no. 6)

61-12362

1. Copolymerization
2. Borazoles--Polymerization
3. Isocyanates--Polymerization
- I. Korshak, V. V.
- II. Zamyatina, V. A.
- III. ATS-49M46R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

61-22012

Korshak, V. V., Sladkov, A. M., and
Kudryavtsev, Yu. P.
SYNTHESIS OF POLYMERIC ACETYLENIDES.
[1961] 5p.

Order from ATS \$7.50

ATS-87N49R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 12, p. 1824-1827.

- I. Acetylene polymers--
Synthesis
- I. Korshak, V. V.
- II. Sladkov, A. M.
- III. Kudryavtsev, Yu. P.
- IV. ATS-87N49R
- V. Associated Technical Services, Inc., East Orange, N. J.

Office of Technical Services

(Chemistry--Organic, TT, v. 5, no. 10)

Progress in the Synthesis of High Polymers, by V. V.
Korshak, 30 pp.

RUSSIAN, per, Uspekhi Khim, No 5, 1960, pp 569-628.

Cleaver-Hume Press

Sci

Apr 61.

143,372

Heterochain Polyamides. XXIII. Interfacial
Polycondensation of BIS (p-carboxyphenyl)
Phenylphosphine Oxide Dichloride With Hexa-
methylenediamine, by V. V. Koryshak, et al.

RUSSIAN, per, Vysokomolekulyarnye Soyedineniya,
Vol II, 1960, pp 633-635.

ATS 25A3R

Sci - Chem

Feb 61

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Korshak, V. V., Sosin, S. L., and Alekseyeva, V. P.
PREPARATION OF NEW TYPES OF LINEAR POLY-
MERS BY THE POLYRECOMBINATION REACTION.

[1960] 5p.

Order from ATS \$6.75

ATS-05M44R

Trans. of Akad[emiya] Nauk SSSR. Doklady, 1960,
v. 132, no. 2, p. 360-363.

(Chemistry--Organic, TT, v. 5, no. 5)

61-12320

1. Polymers--Synthesis
2. Title: Polyrecombination
- I. Korshak, V. V.
- II. Sosin, S. L.
- III. Alekseyeva, V. P.
- IV. ATS-05M44R
- V. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Studies in the Field of Coordination Polymers,
IV. Preparation of Polymers Based on
Aromatic BTS (b-Diketones) With Metals,
by V. V. Korshak, Ye. S. Krongauz, V. Ye.
Sheyna, 10 pp.

RUSSIAN, per, Vysokomolekulyarnyye Soyed,
Vol II, No 5, 1960, pp 662-672.

ATS-13M43R

Sci
Vol IV, No 7
Apr 62

192,642

Korshak, V. V., Frunze, T. M., and Kozlov, L. V.
HETEROCHAIN POLYAMIDES. XXVI. MIXED POLY-
AMIDES FROM PIPERAZINE AND ALIPHATIC AND
AROMATIC DICARBOXYLIC ACIDS. [1960] 6p.
Order from ATS \$8.55 ATS-94N47R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 6, p. 845-850.

(Chemistry--Organic, TT, v. 5, no. 7)

61-12689

1. Amides--Polymerization
2. Carboxylic acids--
Polymerization
- I. Korshak, V. V.
- II. Frunze, T. M.
- III. Kozlov, L. V.
- IV. Title: Mixed...
- V. ATS-94N47R
- VI. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

Korshak, V. V., Frunze, T. M., and Kozlov, L. V.
HETEROCHAIN POLYAMIDES. XXV. INTERFACIAL
PREPARATION OF POLYAMIDES CONTAINING
PIPERAZINE RESIDUES. [1960] 8p.
Order from ATS \$12.45

ATS-93N47R

Trans. of Vysokomolekulyarnyye Soyedineniya (USSR)
1960, v. 2, no. 6, p. 838-844.

(Chemistry--Organic. TT. v. 5, no. 7)

61-12693

- I. Amides--Polymerization
- I. Korshak, V. V.
- II. Frunze, T. M.
- III. Kozlov, L. V.
- IV. Title: Interfacial...
- V. ATS-93N47R
- VI. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

TT-65-26440

Field 111

Korshak, V. V.; Gribova, I. A.; Andreeva, M. A.
ONDERZOEK OVER ORGANO-FOSFORPOLYMEREN. IX.
DE POLYCONDENSATIE VAN FOSFINYLDICHLORIDEN MET
DIHYDROOXYVERBINDINGEN (Issledovanie v Oblasti
Fosfor Organ. polimerov. IX. O Reaktsii Polikondensatsii
Dikhlorangidridov Fosfinovykh Kislot s di Oksisodineni-
yami). Tr. by L. Jeurissen. 11p. CBT-III-48.
Order from CBT as CBT-III-48

Trans. in Dutch of Vysokomolekulyarnye Soedineniya (USSR)
v2 n3 p427-32.
Another trans. is available in English from ATS \$9.25 as
ATS-50M41R, 1960, 6p.

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Brussels (Belgium)

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TT-65-26445

Field 111

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OVER POLYAMIDEN BESTAANDE UIT HETEROKETENS.
XXV. SYNTHESE IN HET GRENSVLAK TUSSEN DE FASEN
VAN POLYAMIDEN, DIE PIPERAZINE-EENHEDEN
BEVATTEN (Iz Oblasli Geterotsapnykh Polyamidov. XXV.
Polucheniye Polyamidov, Soderzhashchikh Ostatki Piperazina,
na Granitse Razdela Faz). Tr. by S. Verhezen. 14p.
CBT-III-56.
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v2 n6 p838-44 1960.
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TT-65-26444

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Korshak, V. V.; Frunze, T. M.; Kozlov, L. V.
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XXVI. GEMENGDE POLYAMIDEN VAN PIPERAZINE MET
ALIFATISCHE EN AROMATISCHE DICARBONZUREN
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Polyamidy iz Piperazina i Alf. i Arom. Dikarbonnykh Kislot).
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Another trans. is available in English from ATS \$8.55 as
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pp 907-912.

AMS COMLR

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Methane, by V. V. Korshak, S. V. Vinogradova,
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Vol II, No 4, 1960, pp 498-507.

ATG-44442R

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63-18263

Korshak, V. V., Zamyatina, V. A., and
Bekasova, N. L.
HETEROCHAIN POLYESTERS. XXV. INVESTIGA-
TION OF POLYCONDENSATION IN A THIN LAYER.
[1963] 8p. (figs. tables omitted) 6 refs.
Order from OTS or SLA \$1.10 63-18263

Trans. of Vysokomolekulyarnye Soedineniya (USSR)
1959, v. 1, no. 11, p. 1586-1592

DESCRIPTORS: *Polyester plastics, *Phthalates,
*Condensation reactions, Thin films, Reaction
kinetics, Catalysis, Heat of activation, *Ethylenes,
Glycols, Evaporation, Heat transfer.

Polycondensation of polyethyleneterephthalate in a thin
layer at atmospheric pressure was investigated. An
inverse dependence of the reaction speed on the thick-
ness of the layer of reacting substance was established.
(Materials - Plastics, TT, v. 10, no. 11) (over)

1. Title: Polyethylene
terephthalate
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- IV. Title: Investigation ...

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Korshak, V. V., Gribova, I. A., and Andreeva, M. A.

A STUDY ON ORGANOPHOSPHORUS POLYMERS. VIII. POLYESTERS OF PHOSPHONIC ACIDS AND CERTAIN AROMATIC DIOXYCOMPOUNDS. [1961] 6p. 6 refs.

Order from OTS or SLA \$1.10

62-10105

Trans. of [Vysokomolekulyarnye Soedineniya] (USSR) 1959, v. 1, no. 6 [p. 825-828].

DESCRIPTORS: *Organic compounds, *Phosphorus compounds, *Polymers, Esters, Phosphonic acids, Acids, Quinones, Resorcinol, Propanes, Phenyl radicals, Phenoxyl radicals, Synthesis, Molecular structure, Physical properties

Polyesters of methylphosphonic, phenylphosphonic and phenoxylphosphonic acid and aromatic dioxycompounds: (Chemistry-Organic, TT, v. 7, no. 9) (over)

62-10105

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IV. Title: Polyesters...

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Containing Silicon-Attached Hydrogen, by V. V.
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M. V.
PRODUCTION OF HIGH MOLECULAR COMPOUNDS
BY THE REACTION OF POLYCOMBINATION. [1961]
10p. 15 refs.

Order from OTS or SLA \$1. 10

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1959, v. 1, no. 7, p. 937-944.
Another translation is available from ATS \$14. 75 as
ATS-12M40R [1960] 9p.

DESCRIPTORS: *Polymers, Synthesis, *Recombination
reactions, *Free radicals, Alkyl radicals.

(Chemistry--Organic, TT, v. 6, no. 1)

I. Korahak, V. V.
II. Sosin, S. L.
III. Chistyakova, M. V.

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ATS 3741R

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Polymerization of p-Triethylstannyl- α -Methylstyrene,
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3 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Otdel Khim Nauk, No 4,
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Effect of Pressure on the Polymerizability of Ar-
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L. M. Polyakova, I. M. Stolotova, 3 pp.

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MDF K-208

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Heterochain Polyesters. Communication 12.
Polyesters of m,m' and p,p'-Azodibenzoic Acid,
by V. V. Korshak, S. V. Vinogradova, 5 pp.

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Korshak, V. V., Mosgova, K. K., and Shkolina, M. A.
PREPARATION OF GRAFT COPOLYMERS. IV.
GRAFTING OF STYRENE TO POLYAMIDES. [1961]
88p; 3 refs.

Order from OTS or SLA \$1.10

61-20636

Trans. of Vysshepromyshlennyye Soedineniya (USSR)
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DESCRIPTORS: Polymers, *Amides, Polymerization,
*Copolymerization, *Styrenes, Physical properties,
Chemical properties.

Graft polymers were obtained from ozone-treated poly-
caprolactam and related polyamide Amide G-669, and
styrene. Several physical and physico-chemical prop-
erties of graft polymers were studied. These differ
noticeably from the properties of the initial polyamides.
(Engineering-Chemical, TT, v. 7, no. 7) (over)

61-20636

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III. Shkolina, M. A.
IV. Title: Grafting ...

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XIII. Mixed Polyamides Containing Sulfur
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The Influence of Low-molecular-weight Organic Compounds
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On the Interaction of Tetraalkyldihydridisiloxanes
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RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXVIII,
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V. P. Grinavtseva, V. Medzhikov, N. A. Korshunova,
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- II. Brains, S. N.
- III. Title: Problems...

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EFFECT OF AMINAZINE UPON RESPIRATION AND
OXYDIZING PHOSPHORYLATION IN ANIMAL TISSUE.
[1962] [6 pp.] 8 refs.

Order from OJS or SZA \$1.10

62-14697

Trans. of mono. [Voprosy Eksperimental'noi Patologii]
(Problems of Experimental Pathology) [ed. by] S. N.
Brains, Moscow, 1959, chap. 23, p. 253-259.

DESCRIPTORS: *Chlorpromazine, Pharmacology, Drugs.
*Respiration, Oxidation, *Phosphorylation, Animals.
Tissues (Biology). Adenosine phosphate.

C227497

(Biological Sciences--Pharmacology, TT, v. 9, no. 3)

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Effect of the Relative Amounts of Reactants on
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Chlorobenzene with 1,2-Dichloroethane, by G. S.
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Polycondensation of 1,2-Dichloroethane with Diaryl-
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Dichloroethane-Chlorobenzene-Fluorobenzene,
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Peculiar Features of the Polymerization of
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Assoc Tech Serv RJ-1466
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